# Outfall Repairs -- No. 509948

Category Conservation of Natural Resources
Agency Public Works & Transportation
Planning Area Countywide

Date Last Modified Previous PDF Page Number Required Adequate Public Facility

January 4, 2002 15-23 (01 App) NO

Relocation Impact None

**EXPENDITURE SCHEDULE (\$000)** 

Cost Element	Total	Thru FY01	Estimate FY02	Total 6 Years	FY03	FY04	FY05	FY06	FY07	FY08	Beyond 6 Years
Planning, Design											
and Supervision	1,490	71	113	1,306	200	150	239	239	239	239	0
Land	1	1	0	0	0	0	0	0	0	0	0
Site Improvements											
and Utilities	4	0	4	0	0	0	0	0	0	0	0
Construction	1,427	136	55	1,236	240	228	192	192	192	192	0
Other											
Total	2,922	208	172	2,542	440	378	431	431	431	431	*
			1100	FUNDING	G SCHEDU	JLE (\$000)	)				

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G.O. Bonds	2,862	208	112	2,542	440	378	431	431	431	431	0
Current Revenue:											
General	60	0	60	0	0	0	0	0	0	0	0

**ANNUAL OPERATING BUDGET IMPACT (\$000)** 

#### **DESCRIPTION**

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when straight replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are found as that project expands into additional watersheds.

## Service Area

Countywide

# Capacity

The capacity of each repair will match the existing capacity of the storm drain pipe or system.

## JUSTIFICATION

Erosion from damaged outfalls results in a heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion. Damaged outfalls can adversely impact private property and public roads and are a threat to children who are attracted to playing in stream valleys. About 20 percent of the outfalls are in urban locations and 10 percent are located Upcounty, with the remainder distributed throughout the County. A new aspect to this program is for DPWT to provide construction funds for repairs of outfalls in stream valleys when DEP is constructing stream valley repairs. Funds in FY03 and FY04 have been designated to support these repairs as they are identified (\$36,000 per fiscal year). Two outfall repairs are being designed, and one each year is expected to be repaired in FY02 and FY03. Two repairs each year are anticipated to be designed and constructed in FY04 through FY08.

#### **Plans and Studies**

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. Over 75 outfall locations have been identified and rated. A functional rating of 25 or greater has been determined by DPWT and DEP to be the threshold to add an outfall to the priority repair list. Thirteen outfalls have received a functional rating that would justify repairs.

# Specific Data

DPWT and DEP jointly develop a priority list of outfalls needing repairs. DPWT is responsible for design and coordinating contracts for construction of the repairs.

### **Cost Change**

Increase due to the addition of FY07-FY08 to this ongoing project and due to higher estimates for construction. Property acquisition, if needed, is anticipated to be obtained under the ALARF program, then reimbursed by a future appropriation from this project.

#### STATUS

Ongoing. Beacon Road - Operational; Colony Road - Operational; Big Rock - Preliminary Design Stage; Twinbrook - Final Design Stage; Lombardy - Planning Stage; other candidate projects - Planning Stage.

# OTHER

The project scope has been reduced from three to two projects designed and constructed per fiscal year. Candidate Projects: The following projects are identified by the street closest to the outfall. The functional rating for each project is included in parenthesis to the right of the name. Projects with\*\* are DEP stream valley improvements participation projects: Lombardy Road (53), Cabin Creek Drive\*\* (42), Shannon Court\*\* (38), Sherwood Forest Drive (37), Locustwood Court\*\*(37), Balmoral Drive (36), Mahan Road (32), Wembrough Street (30), Shindler Drive (30), Macon Road (28), Besley Court (27), Glenhaven Drive (25).

\* Expenditures will continue indefinitely

<b>APPROPRIATION AN</b>	ID	
<b>EXPENDITURE DATA</b>	1	
Date First Appropriation	FY99	(\$000)
Initial Cost Estimate		1,400
First Cost Estimate		
Current Scope	FY03	2,922
Last FY's Cost Estimate		2,290
Present Cost Estimate		2,922
Appropriation Request	FY03	210
Appropriation Request Est.	FY04	378
Supplemental		
Appropriation Request	FY02	0
Transfer		0
		-
Cumulative Appropriation		610
Expenditures/		
Encumbrances		238
Unencumbered Balance		372
Partial Closeout Thru	FY00	0
New Partial Closeout	FY01	0
Total Partial Closeout		0

## COORDINATION

Department of Environmental Protection M-NCPPC

Maryland Department of the Environment United States Army Corps of Engineers Department of Permitting Services Utility Companies

